Australian Government
Department of Agriculture and Water Resources

Lentil residue testing annual datasets 2014–15

National Residue Survey, Department of Agriculture and Water Resources

Dataset abbreviations

LOR Limit of reporting.
MRL Maximum Residue Limit.
no limit No Australian Standard applicable for the contaminant. The 'as low as reasonably achievable' principle applies. Detections at low levels are allowable.
not defined Standards are not defined in inedible matrixes (urine and faeces).
not set No Australian Standard has been set for the chemical in the edible matrix and any detection is a contravention of the Australia New Zealand Food Standards Code.

Disclaimer

Table 1 Fungicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
azoxystrobin	whole	0.01	0.5	126	0	0
benalaxyl	whole	0.01	not set	126	–	0
bitertanol	whole	0.01	not set	126	–	0
boscalid	whole	0.01	0.5	126	0	0
bupirimate	whole	0.01	not set	126	–	0
captafol	whole	0.02	not set	126	–	0
captan	whole	0.02	0.1	126	0	0
carbendazim	whole	0.01	0.5	126	0	0
chlorothalonil	whole	0.01	3	126	0	0
cyproconazole	whole	0.01	0.01	126	0	0
cyprodinil	whole	0.01	not set	126	–	0
difenoconazole	whole	0.01	not set	126	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
dimethomorph	whole	0.01	not set	126	–	0
dithianon	whole	0.01	not set	126	–	0
dodine	whole	0.01	not set	126	–	0
epoxiconazole	whole	0.01	not set	126	–	0
etridiazole	whole	0.01	0.2	126	0	0
fenarimol	whole	0.01	not set	126	–	0
fenhexamid	whole	0.01	not set	126	–	0
fluazinam	whole	0.01	not set	126	–	0
fludioxonil	whole	0.01	not set	126	–	0
fluquinconazole	whole	0.01	not set	126	–	0
flusilazole	whole	0.01	not set	126	–	0
flutriafol	whole	0.01	not set	126	–	0
fluxapyroxad	whole	0.01	0.1	126	0	0
hexaconazole	whole	0.01	not set	126	–	0
imazalil	whole	0.01	not set	126	–	0
ipconazole	whole	0.01	not set	126	–	0
iprodione	whole	0.01	not set	126	–	0
kresoxim–methyl	whole	0.01	not set	126	–	0
metalaxyl	whole	0.01	not set	126	–	0
myclobutanil	whole	0.01	not set	126	–	0
oxadixyl	whole	0.01	not set	126	–	0
penconazole	whole	0.01	not set	126	–	0
prochloraz	whole	0.01	not set	126	–	0
procymidone	whole	0.01	0.5	126	0	0
propiconazole	whole	0.01	not set	126	–	0
prothioconazole	whole	0.01	0.7	126	0	0
pyraclostrobin	whole	0.01	0.5	126	0	0
pyrimethanil	whole	0.01	not set	126	–	0
quinoxyfen	whole	0.01	not set	25	–	0
spiroxamine	whole	0.01	not set	126	–	0
tebuconazole	whole	0.01	0.2	126	0	0
thiabendazole	whole	0.01	not set	126	–	0
tolclofos methyl	whole	0.01	not set	126	–	0
triadimefon	whole	0.01	not set	126	–	0
triadimenol	whole	0.01	not set	126	–	0
trifloxystrobin	whole	0.01	not set	126	–	0
triticonazole	whole	0.01	not set	126	–	0
vinclozolin	whole	0.01	not set	126	–	0

Table 2 Herbicides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
2,2–DPA (2,2–dichloropropionic acid)	whole	0.01	not set	126	–	0
2,4–D	whole	0.01	0.05	126	0	0
amitrole	whole	0.01	0.01	18	0	0
atrazine	whole	0.01	not set	126	–	0
bromacil	whole	0.01	not set	126	–	0
bromoxynil	whole	0.01	not set	126	–	0
carfentrazone–ethyl	whole	0.01	not set	126	–	0
chlorpropham	whole	0.01	not set	126	–	0
chlorsulfuron	whole	0.01	not set	126	–	0
chlorthal–dimethyl	whole	0.01	not set	126	–	0
clethodim (parent only)	whole	0.01	0.1	126	0	0
clodinafop–propargyl	whole	0.01	not set	126	–	0
clopyralid	whole	0.01	not set	126	–	0
cyanazine	whole	0.01	0.01	126	0	0
dicamba	whole	0.01	not set	126	–	0
dichlobenil	whole	0.01	not set	126	–	0
dichlorprop–P	whole	0.01	not set	126	–	0
diclofop–methyl	whole	0.01	not set	18	–	0
diflufenican	whole	0.01	0.05	126	0	0
diquat	whole	0.01	1	18	0	0
diuron	whole	0.01	0.05	126	0	0
ethofumesate	whole	0.01	not set	126	–	0
fenoxaprop–ethyl	whole	0.01	not set	18	–	0
flamprop–M–methyl	whole	0.01	not set	18	–	0
fluazifop–p–butyl	whole	0.01	0.5	18	0	0
flumetsulam	whole	0.01	0.05	126	0	0
glufosinate	whole	0.01	not set	18	–	0
glyphosate	whole	0.01	5	18	0	0
haloxyfop	whole	0.01	0.1	18	0	1
imazamox	whole	0.01	not set	126	–	0
imazapic	whole	0.01	not set	126	–	0
imazapyr	whole	0.01	not set	126	–	0
imazaquin	whole	0.01	not set	126	–	0
imazethapyr	whole	0.01	0.1	126	0	0
iodosulfuron–methyl	whole	0.01	not set	126	–	0
ioxynil	whole	0.01	not set	126	–	0
isoxaben	whole	0.01	not set	126	–	0
linuron	whole	0.01	not set	126	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
MCPA	whole	0.01	not set	126	–	0
methabenthiazuron	whole	0.01	not set	126	–	0
metolachlor	whole	0.01	0.01	126	0	0
metosulam	whole	0.01	not set	126	–	0
metribuzin	whole	0.01	0.01	126	0	0
metsulfuron–methyl	whole	0.01	not set	126	–	0
napropamide	whole	0.01	not set	126	–	0
norflurazon	whole	0.01	not set	126	–	0
oryzalin	whole	0.01	not set	126	–	0
oxyfluorfen	whole	0.01	not set	126	–	0
paraquat	whole	0.01	1	18	0	0
pendimethalin	whole	0.01	0.05	126	0	0
picloram	whole	0.01	not set	126	–	0
propachlor	whole	0.01	not set	126	–	0
propyzamide	whole	0.01	not set	105	–	0
quizalofop–ethyl	whole	0.01	0.2	18	0	0
quizalofop–P–tefuryl	whole	0.01	0.2	18	0	0
saflufenacil	whole	0.01	0.03	105	0	0
sethoxydim	whole	0.01	0.1	126	0	0
simazine	whole	0.01	not set	126	–	0
tralkoxydim	whole	0.01	not set	126	–	0
triasulfuron	whole	0.01	not set	126	–	0
triclopyr	whole	0.01	not set	126	–	0
trifluralin	whole	0.01	0.05	126	0	0

Table 3 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
abamectin	whole	0.01	not set	126	–	0
acephate	whole	0.01	not set	126	–	0
acetamiprid	whole	0.01	not set	126	–	0
aldicarb	whole	0.01	not set	126	–	0
amitraz	whole	0.01	not set	126	–	0
azamethiphos	whole	0.01	not set	126	–	0
azinphos–methyl	whole	0.01	not set	126	–	0
bifenazate	whole	0.01	not set	126	–	0
bifenthrin	whole	0.01	0.02	126	0	0
bioresmethrin	whole	0.01	not set	126	–	0
buprofezin	whole	0.01	not set	126	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
cadusafos	whole	0.01	not set	126	–	0
carbaryl	whole	0.01	0.1	126	0	0
carbofuran	whole	0.01	not set	126	–	0
chlorantraniliprole	whole	0.01	0.01	126	0	0
chlorfenapyr	whole	0.01	not set	126	–	0
chlorfenvinphos	whole	0.01	not set	126	–	0
chlorpyrifos	whole	0.01	not set	126	–	0
chlorpyrifos–methyl	whole	0.01	not set	126	–	0
clofentezine	whole	0.01	not set	126	–	0
clothianidin	whole	0.01	not set	126	–	0
cyfluthrin	whole	0.01	0.5	126	0	0
cyhalothrin	whole	0.01	0.2	126	0	0
cypermethrin	whole	0.01	0.01	126	0	0
deltamethrin	whole	0.01	0.1	126	0	0
diafenthiuron	whole	0.01	not set	126	–	0
diazinon	whole	0.01	0.7	126	0	0
dichlorvos	whole	0.01	0.01	126	0	0
dicofol	whole	0.01	not set	126	–	0
diflubenzuron	whole	0.01	not set	126	–	0
dimethoate	whole	0.01	0.5	126	0	0
disulfoton	whole	0.01	not set	126	–	0
emamectin	whole	0.01	0.01	126	0	0
endosulfan	whole	0.01	not set	126	–	0
esfenvalerate	whole	0.01	0.5	126	0	0
ethion	whole	0.01	not set	126	–	0
ethoprophos	whole	0.005	not set	126	–	0
etoxazole	whole	0.01	not set	126	–	0
fenamiphos	whole	0.01	not set	126	–	0
fenbutatin oxide	whole	0.01	not set	126	–	0
fenitrothion	whole	0.01	0.1	126	0	0
fenoxycarb	whole	0.01	not set	126	–	0
fenpyroximate	whole	0.01	not set	126	–	0
fenthion	whole	0.01	not set	126	–	0
fenvalerate	whole	0.01	0.5	126	0	0
fipronil	whole	0.005	not set	126	–	0
hexythiazox	whole	0.01	not set	126	–	0
imidacloprid	whole	0.01	0.2	126	0	0
indoxacarb	whole	0.01	0.2	126	0	0
malathion (maldison)	whole	0.01	8	126	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
methacrifos	whole	0.01	not set	126	–	0
methamidophos	whole	0.01	not set	126	–	0
methidathion	whole	0.01	0.01	126	0	0
methiocarb	whole	0.01	not set	126	–	0
methomyl	whole	0.01	1	126	0	0
methoprene	whole	0.01	not set	126	–	0
methoxychlor	whole	0.01	not set	126	–	0
methoxyfenozide	whole	0.01	not set	126	–	0
mevinphos	whole	0.01	not set	126	–	0
monocrotophos	whole	0.01	not set	126	–	0
omethoate	whole	0.01	2	126	0	0
parathion	whole	0.01	not set	126	–	0
parathion–methyl	whole	0.01	not set	126	–	0
permethrin	whole	0.01	not set	126	–	0
phenothrin	whole	0.01	not set	126	–	0
phorate	whole	0.01	not set	126	–	0
phosmet	whole	0.01	not set	126	–	0
piperonyl butoxide	whole	0.01	8	126	0	0
pirimicarb	whole	0.01	0.02	126	0	0
pirimiphos–methyl	whole	0.01	not set	126	–	0
profenofos	whole	0.01	not set	126	–	0
propargite	whole	0.01	not set	126	–	0
prothiofos	whole	0.01	not set	126	–	0
pymetrozine	whole	0.01	not set	126	–	0
pyrethrins	whole	0.01	1	126	0	0
pyriproxyfen	whole	0.01	not set	126	–	0
spinetoram	whole	0.01	0.01	126	0	0
spinosad	whole	0.01	0.01	126	0	0
spirotetramat	whole	0.01	not set	126	–	0
sulfoxaflor	whole	0.01	not set	126	–	0
tau–fluvalinate	whole	0.01	not set	126	–	0
tebufenozide	whole	0.01	not set	126	–	0
tebufenpyrad	whole	0.01	not set	126	–	0
terbufos	whole	0.01	not set	126	–	0
tetradifon	whole	0.01	not set	126	–	0
thiacloprid	whole	0.01	not set	126	–	0
thiamethoxam	whole	0.01	not set	126	–	0
thiodicarb	whole	0.01	0.1	126	0	0
triazofos	whole	0.01	not set	126	–	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
trichlorfon	whole	0.01	0.2	126	0	0
triflumuron	whole	0.01	not set	126	–	0

Table 4 Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin (HHDN+HEOD)	whole	0.01	not set	126	–	0
chlordane	whole	0.01	0.02	126	0	0
DDT	whole	0.01	1	126	0	0
endrin	whole	0.01	not set	126	–	0
HCB (hexachlorobenzene)	whole	0.01	not set	126	–	0
HCH (or BHC)	whole	0.01	not set	126	–	0
heptachlor	whole	0.01	0.05	126	0	0
lindane (gamma–HCH)	whole	0.01	2	126	0	0
mirex	whole	0.01	not set	126	–	0

Table 5 Fumigants

Chemical	Matrix	LOR (mg/kg)	Australian standard (mg/kg)	No. of samples tested	> ½ MRL to ≤ MRL	> MRL
phosphine	whole	0.005	0.01	9	0	0